

CLAIMS

We claim:

1. A DNA vector comprising an insecticide structural gene and a plant-expressible promoter, the gene and the promoter being in such position and orientation with respect to each other that the gene is expressible under control of the promoter in a plant cell. ✓
2. A vector according to claim 1 wherein the insecticide gene is inserted in T-DNA.
3. A vector according to claim 1 wherein the promoter is a T-DNA promoter.
4. A vector according to claim 1 wherein the promoter is a plant promoter.
5. A vector according to claim 1 wherein the insecticide structural gene is from B. thuringiensis.
6. A bacterial strain comprising the DNA vector of claim 1.

7. A plant cell transformed by the vector of claim 1 to comprise said insecticide structural gene and said plant-expressible promoter wherein said insecticide structural gene is expressed under control of said promoter to produce an insecticidal protein.
8. A plant tissue comprising plant and cells of claim 7.
9. A genetically modified plant comprising an insecticide structural gene under control of a plant-expressible promoter wherein said insecticide structural gene is expressed under control of said promoter such that tissues of said plant are toxic to insects.
10. A tomato plant of claim 9.
11. A tobacco plant of claim 9.
12. A maize plant of claim 9.
13. A cotton plant of claim 9.
14. A potato plant of claim 9.

15. A method of killing insects harmful to plants comprising:

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- (a) transforming a plant cell to contain an insecticide structural gene and a plant expressible promoter whereby the gene is expressible in the plant cell under control of the promoter;
 - (b) regenerating said plant cell to form insecticidal plant tissue; and
 - (c) allowing insects to feed on said insecticidal plant tissue whereby they are killed.